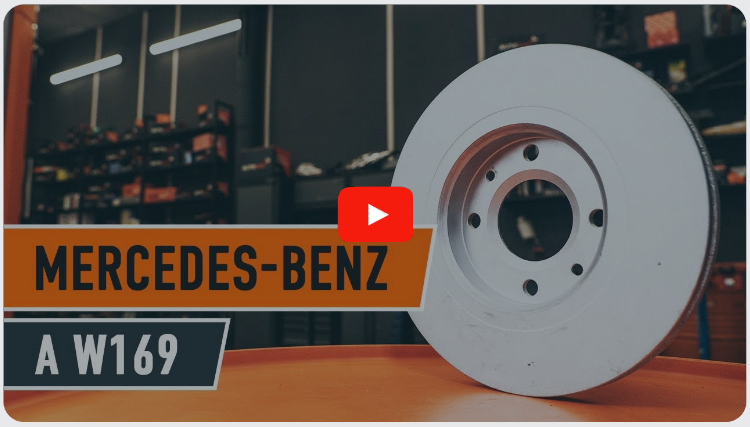
AUTODOC CLUB

How to change front brake discs on **Mercedes W169** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 160 (169.031, 169.331)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – MERCEDES W169.
LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Brake caliper guide pins grease
- Combination spanner #17
- Drive socket # 13
- Drive socket # 18
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Round-nose pliers
- Crow bar
- Wheel chock

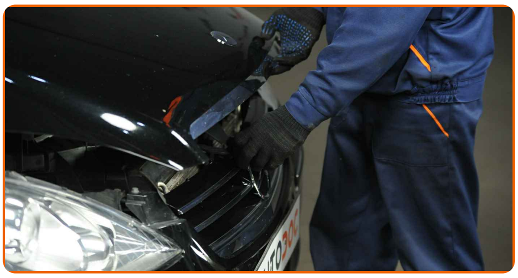
BUY TOOLS

Replacement: brake discs – Mercedes W169. Tip from AUTODOC:

- Replace the brake disks on the car Mercedes W169 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – MERCEDES W169. RECOMMENDED SEQUENCE OF STEPS:

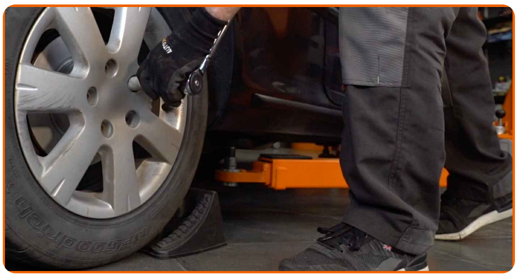
1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.



Replacement: brake discs – Mercedes W169. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.



7 Disconnect the brake pad wear sensor plug. Use round-nose pliers.

Please note!

- Some cars are not equipped with the brake pad wear sensor.

8 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



9 Spread the brake pads. Use a crowbar.



10 Unscrew the brake caliper fastening. Use a combination spanner #17. Use a drive socket #13. Use a ratchet wrench.



11

Remove the brake caliper.



Replacement: brake discs – Mercedes W169. Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

12

Remove the brake pads. Use a crowbar.



13 Remove the brake pads retaining clips. Use a crowbar.

14 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



16 Remove the caliper bracket.

17 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



18 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



19 Remove the brake disc.



20 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

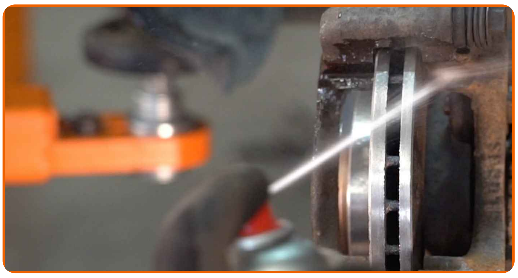
21 Install the brake disc.



22 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 9 Nm torque.



23 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

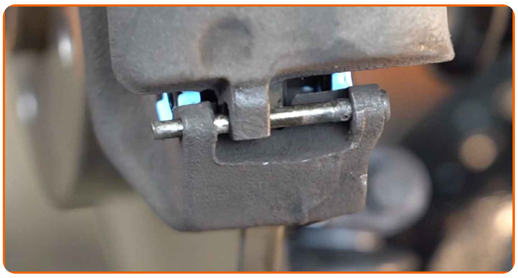
- Replacement: brake discs – Mercedes W169. After applying the spray, wait a few minutes.

24 Remove the guide pins from the brake caliper. Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots.



25 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

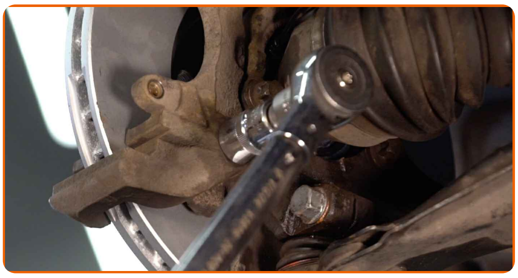
26 Screw in the guide pins.



27 Install the brake caliper bracket.



28 Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 115 Nm torque.



29 Install the brake pads retaining clips. Use a crowbar.

30 Install the brake pads.



31 Treat the brake caliper piston. Use a brake cleaner.

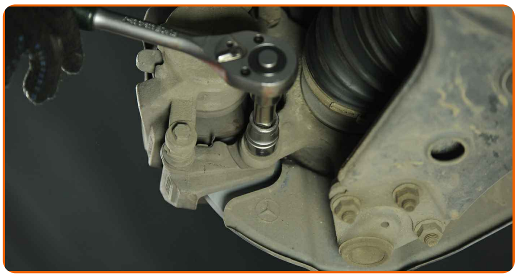
Replacement: brake discs – Mercedes W169. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

32 Press in the brake caliper piston. Use brake caliper wind back tool.



33 Install the brake caliper and fix it. Use a drive socket #13. Use a combination spanner #17. Use a torque wrench. Tighten it to 35 Nm torque.



34 Connect the brake pad wear sensor plug. Use round-nose pliers.

35 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



36 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake discs – Mercedes W169. Tip:

- After applying the spray, wait a few minutes.

37

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W169

38

Screw in the wheel bolts. Use wheel impact socket #17.



39

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



40

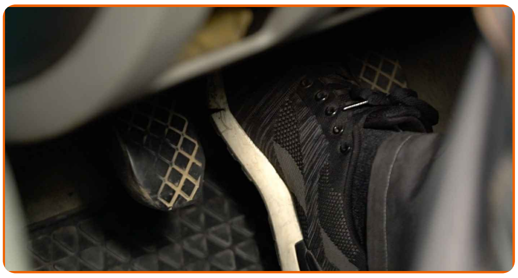
Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake discs – Mercedes W169. Check the brake fluid level in the reservoir and top up if necessary.

41 Tighten the brake fluid reservoir cap. Without starting the engine, press the brake pedal several times until you feel significant resistance.



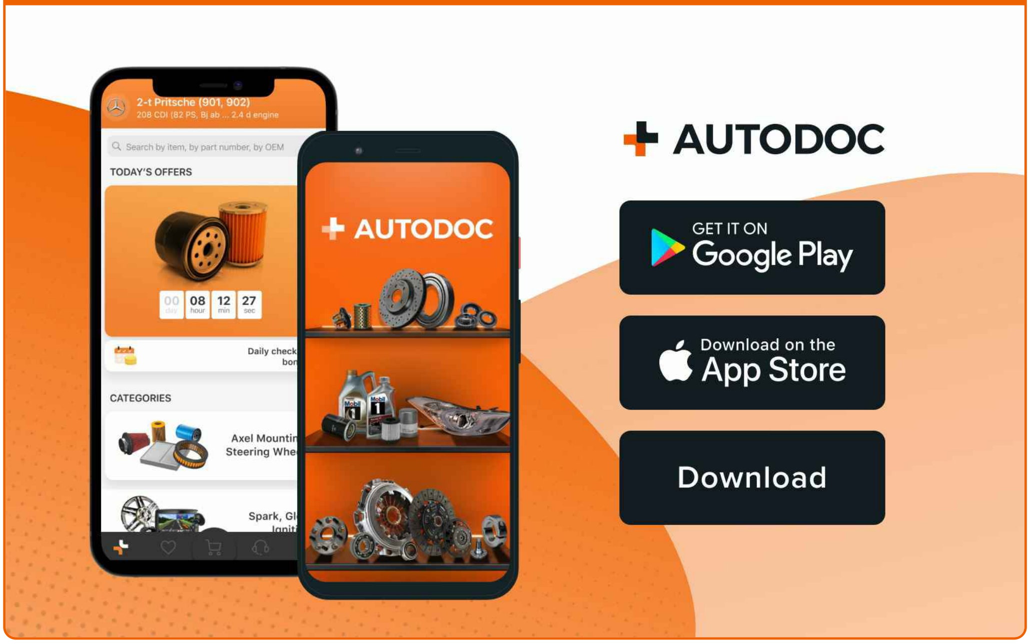
42 Close the hood.

WELL DONE!

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